



ভারতীয় বিজ্ঞান শিক্ষা এবং গবেষণা প্রতিষ্ঠান কলকাতা

भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान कोलकाता

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA

(An Autonomous Institute under Ministry of Education, Department of Higher Education, Govt. of India)

PO-MOHANPUR, DIST. NADIA, PIN - 741246, WEST BENGAL, INDIA

E-Mail: purchase@iiserkol.ac.in

EOI REF NUMBER: IISER-K/EOI/1351/DORD/26-27

দিনাংক/DATE: 11.09.2026

EXPRESSION OF INTEREST (EOI) – NON-COMMITTAL

Indian Institute of Science Education Kolkata (hereafter referred to us Institute) invites online Expression of Interest (EOI)-Non-Committal bid from all the interested suppliers (Eligible Original Equipment Manufacturer (OEM) or their Authorized Agent) for the equipment as stated below.

The Institute intends to finalize the specifications, scope of AMC, subsequent Global Tender Enquiry (GTE)/Advertised Tender Enquiry (ATE) NIT Document, etc. taking into account the admissible feedback from all the interested suppliers. The suppliers are requested to participate and attended a meeting to discuss all such matters as stated below in this respect.

The Expression of Interest (EOI) can be seen and downloaded from Central Public Procurement (CPP) Portal <https://eprocure.gov.in/epublish/app> OR in the website of Institute (<https://www.iiserkol.ac.in/web/>) within the scheduled of Dates.

For participation in the bidding process against this Expression of Interest (EOI), bidders are required to follow the prescribed procedure and submit their responses through the **Central Public Procurement (CPP) Portal**.

PARTICULAR	DETAILS
ईओआई संदर्भ संख्या / EoI REF. NO.	IISER-K/EOI/1351/DORD/26-27
वस्तु विवरण / ITEM DESCRIPTION	SUPPLY, INSTALLATION, COMMISSINING AFTER SALE SERVICES FOR TRANSIENT ABSORPTION SPECTROMETER WITH AMPLIFIED LASER SYSTEM IN ANNEXURE-IV
क्रय का प्रकार / PROCUREMENT TYPE	EXPRESSION OF INTEREST (EOI) – NON-COMMITTAL
निविदा के प्रकाशन की तिथि / DATE OF PUBLICATION OF TENDER	11.09.2026(FRIDAY)
ऑनलाइन बोली प्रस्तुत करने की अंतिम तिथि / LAST DATE OF ONLINE BID SUBMISSION	18.09.2026 (FRIDAY) up to 4.00 PM (For details check the tender details page)
तकनीकी बोली के खुलने की तारीख / DATE OF OPENING OF TECHNICAL BID	18.09.2026 (FRIDAY) after 4.00 PM

Signature of the Bidder with Company Stamp

PARTICULAR	DETAILS
ईओआई बैठक का विवरण, यदि कोई हो DETAILS OF EOI MEETING, IF ANY	Date and time: 21.09.2026.00 (Monday) AT 2.00 PM TO 4.00A.M. Mode of the meeting: Hybrid Mode Venue: DCS Meeting Room, DCS, IISER Kolkata, Mohanpur, Nadia 741246, West Bengal, India. Link for Online (https://meet.google.com/xus-uxci-muh) Location of the Institute in Google Map : https://maps.app.goo.gl/w9t3spotR7585yfR9

All interested OEMs/suppliers are requested to submit their Expression of Interest (EoI) **only through the** CPP Portal. EoIs submitted through e-mail or in physical/manual form shall not be considered or accepted.

It may be noted that, based on the deliberations and discussions held during the EoI meeting, the Institute shall examine and decide upon the admissible feedback/suggestions to finalise the specifications, scope of AMC, subsequent Global Tender Enquiry (GTE)/Advertised Tender Enquiry (ATE) NIT Document, etc. in this respect. The decision of the Institute in this regard shall be **final and binding on all concerned**.

Once the specifications, scope of AMC, subsequent GTE/ATE NIT Document, etc. are finalized based outcome of this EoI meeting, the same will be published in accordance with the extant norms of the Institute without the provision of Pre-Bid meeting in the subsequent GTE/ATE.

The Specification is attached as **Annexure-I** and the draft GTE/ATE NIT format is uploaded as separate file as **Annexure-A**. The interested and eligible bidders should submit their bid incorporating the following documents:

- 1) A detailed Technical Offer clearly indicating the item being offered along with all relevant terms and conditions must be submitted. The bidder shall clearly mention the commercial name of the item, along with Make, Model, HSN Code, Part Number, and other relevant product details.
- 2) Statement of Compliance and deviation and alternative option of availability if any of as per the required specification given in Annexure-I along with Technical Leaflets/Literature/Brochure of the offered model.
- 3) Basic Information Form given in Annexure-II along with supporting documents.
- 4) Relevant Installations / Past Experience as per Annexure-III along with supporting documents.
- 5) Self-Declaration for MII as per Annexure-IV.
- 6) Declaration – Non-Committal EoI, Integrity & Conflict of Interest as per Annexure-V.
- 7) Any other documents if the bidder wish to provide in support to the offer.

DISCLAIMER – NON-COMMITTAL NATURE

- This EoI is solely intended to obtain feedback, suggestions, and inputs from all the interested for suppliers to finalize the specifications, scope of AMC, subsequent Global Tender Enquiry (GTE)/Advertised Tender Enquiry (ATE) NIT Document, etc
- The subsequent Global Tender Enquiry (GTE)/Advertised Tender Enquiry (ATE)tendering shall not be restricted only to the participating bidders of this EoI.
- The Institute is not bound to proceed with procurement or to accept any response.
- No participant shall be entitled to claim reimbursement of preparation, travel, demonstration, technical consultation or other expenses in this respect.
- The Institute may use non-confidential information submitted in the EOI for preparation/refinement of the subsequent procurement documents.
- The Institute may obtain additional market information independently and is not restricted to respondents to this EOI.

Note: It is once again requested that all interested OEMs/suppliers actively participate in the EoI meeting. The meeting will be conducted in hybrid mode; however, in the interest of effective interaction and better understanding of the technical requirements, OEMs/suppliers are strongly encouraged to attend the meeting physically at the Institute.

Annexure-I

TRANSIENT ABSORPTION SPECTROMETER WITH AMPLIFIED LASER SYSTEM

Participating Bidders/ Respondent shall provide a line-by-line response against every requirement. Also, it is instructed to be supported by brochure/data sheet/test report or other documentary evidence wherever the parameter is objectively verifiable.

Sl. No.	Parameter	Institute's Indicative Requirement	Offered Specification	Respondent's Compliance / Offered Value
1	Femtosecond Amplified Laser specification	- Center Wavelength: 800nm - Energy: 5mJ - Repetition rate: 1KHz - Pulse Duration: < 35fs - Beam quality: $M2 < 1.25$ - Power stability < 0.5 % (over 24 hrs in stable environment) - Polarization: linear, Horizontal - Contrast Ratio: > 1000: 1 Pre pulse & 100: 1 post pulse		
	Integrated Oscillator specification	- Average Power: 450mW @ 800nm - RMS Noise: < 0.05% rms (10Hz – 10MHz) - Power Stability: < ± 0.5 % rms (over 2 hrs) - Polarization: Horizontal - Repetition rate: 80MHz - Beam Divergence: < 1.5mrad - Beam diameter (1/e²): 1 mm - Bandwidth: ≥ 70nm		
	Integrated Q-Switched DPSS Pump Laser specification	- Wavelength: 527nm - Repetition Rate: 1KHz - Pulse Energy: >30mJ @ 1KHz - Energy Stability: < 0.5% rms (over 8 hrs) $M2$: < 25 - Pulsewidth: < 200ns - Beam divergence: <8mrad (full angle) - Includes chiller		

Signature of the Bidder with Company Stamp

Sl. No.	Parameter	Institute's Indicative Requirement	Offered Specification	Respondent's Compliance / Offered Value
2	Optical Parametric Amplifier Specification	- Wavelength: 290nm - 2600nm - Repetition Rate: 1KHz - Input Energy: 1.5mJ(with 35fs pulse) - Maximum input beam size (1/e²): 11mm - Energy specs at peak when pumped with ~1.5mJ >330μJ at peak for 1140nm – 2600nm >45μJat peak for 800nm – 1150nm >45μJat peak for 580nm – 800nm >45μJat peak for 533nm – 580nm >60 μJ at peak for 480nm – 480nm 7μJat peak for 290nm – 480nm		
	Transient absorption spectrometer specification	- Pump Wavelength: 290nm - 2600nm - Probe excitation wavelength: 800nm - Probe spectral range: 350-1100nm - Detection spectral range: 200-1100nm - Delay range: 4ns - Delay resolution: 4.5fs - Laser repetition rate: 1kHz - Temporal resolution: < 1.4× pump or probe pulse duration upto 1msec - Maximum data acquisition rate: 4000 spectra/s - SNR: 250:1 - Motorized Berek compensator - Motorized sample mover - Single crystal to cover the complete wavelength range so that no switching is required.		
	Parts to be included	Spectrograph		

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Sl. No.	Parameter	Institute's Indicative Requirement	Offered Specification	Respondent's Compliance / Offered Value
		- Motorized neutral density filters - Measurement need to be possible in transmission and reflection mode. - Measurement need to be possible in liquid, solid (powder, crystal), film etc. - Beam routing and telescoping optics for pump and probe - Rotational, circulation, translational movement of Sample need to be possible - Suitable sample holders with accessories & cuvettes - Transient Absorption measurement from fs to ms range need to be possible at a later stage (as an upgrade). - Suitable adapter for temperature dependent measurement using liquid helium/nitrogen cryostat and Peltier need to be possible at a later stage (as an upgrade). - Fluorescence upconversion measurements need to be possible at a later stage (as an upgrade). - Probe wavelength beyond 2000 nm should be need to be possible at a later stage (as an upgrade).		
4	Joint Optical Table top with passive isolation Support system specification	- Size: 3600 x 1500 x 300 mm (L x B x H) - Max Static Deflection: 2.0nm/N - Max Resonance Freq: 135Hz - Max Compliance Level: 25.6 nm/N - Deflection under load: 1.2 x 10-3mm - Maximum relative motion: 7.5 x 10-8mm		

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Sl. No.	Parameter	Institute's Indicative Requirement	Offered Specification	Respondent's Compliance / Offered Value
		- Maximum dynamic deflection co-efficient: 0.3×10^{-3} - Construction: Honeycomb core sandwiched structure. - Top Skin: 4.0 mm thickness 430 series Ferro magnetic SS plate, smooth sanded finish. - Side Walls: 2.0mm carbon steel plate with damped wood composite, vinyl covered finish - Bottom Skin: 4.0mm thickness carbon steel plate epoxy painted finish - Core: Plated steel Honeycomb (0.25mm foil, 3.2cm² cell size) - Surface Flatness: +/- 0.1mm over 600mm square - Mounting Holes: Metric – M6-1.0 holes on 25mm grid, 37.5mm borders - Hole/Core Sealing: Easy clean cylindrical cup (25mm deep) - Damping: Broadband Standard Damping - Table Joiner		
	Pneumatic post Support System with Tie bars, castors, with Air compressor	- Height: 750mm. - Isolation: Air Spring isolators. - Natural Resonance frequency: Vertical: ~ 1.2 Hz & Horizontal: ~ 1.5 Hz. - Self-centering & Auto leveling by 3 automatic leveling valves. - Leveling accuracy: +/- 1.2mm - Tie bars & castors for easy movement of the table.		
	AIR COMPRESSOR	Operating pressure: 40 – 80 PSI		

Signature of the Bidder with Company Stamp

Sl. No.	Parameter	Institute's Indicative Requirement	Offered Specification	Respondent's Compliance / Offered Value
		- Pressure control: Preset minimum pressure by automatic switch - Air Delivery: 30l/min.80PSI		
5	ACCESSORIES FOR SYSTEM	- Laser Safety Spectacles need to be provided. - Suitable UPS needs to be provided. - Suitable Computer needs to be provided.		
4.	OTHER INFORMATION	Training : Students, operators need to be trained free of cost		
	Warranty Period	Warranty Period: 12 months from the date of installation.		
	Delivery Period	Delivery Period: Within 8 months from the opening of LC		
	Annual Maintenance Contract (AMC)	Annual Maintenance Contract (AMC) or Comprehensive Maintenance Contract (CMC):		

[Signature with date, name, and designation]

for and on behalf of M/s.....

[Name & address of the OEM and seal of company]

Please fill up suitably

Annexure-II

BASIC INFORMATION FORM

PARTICULAR	BIDDER REMARKS
Name and address of the Company/Organization/Authorized Agent	
Details of the Signatory / Concern person Name, Contact no and Email ID	
Name and address of the foreign Principal/OEM with Contact no and Email ID, if applicable	
Country of Origin of the OEM	
Details of service Centre available	
Whether the item/equipment is duty free or not. (Upload proper documents / declaration in case of duty-free item)	
Details of user of similar items available in India	
Expected delivery period (From the issue of Purchase Order OR establishment of Letter of Credit as applicable)	

[Signature with date, name, and designation]
for and on behalf of M/s.....

[Name & address of the OEM and seal of company]
Please fill up suitably

ANNEXURE – III

RELEVANT INSTALLATIONS / PAST EXPERIENCE DETAILS

Sl.	Name of the Customer / Institute / Organization	Brand and Model of the Equipment supplied and installed	Year of Installation	Contract or Reference Number	Provide Supporting Doc. e.g.-Purchase Order, Installation certificate
1					
2					
3					
4					
5					

[Signature with date, name, and designation]

for and on behalf of M/s.....

[Name & address of the OEM and seal of company]

Please fill up suitably

NOTE: PLEASE REFRAIN FROM MASKING/HIDING THE PRICE INFORMATION FROM THE ORDER COPIES SUBMITTED.

Signature of the Bidder with Company Stamp

ANNEXURE – IV

SELF DECLARATION FOR MII

(On company letter head along with supporting documents, if any)

TO
THE DIRECTOR
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA
MOHANPUR- 741 246, DIST. NADIA, WEST BENGAL

Reference Number:

1. With reference to Order no P.-45021/2/2017 PP (BE-II) dated 04.06.2020 of DPIIT, Ministry of Commerce and Industry, Govt. of India, we fall under the following category of supplier (please tick the correct category) for the items for which this tender has been floated and the bid is being submitted.
 - Class-I local supplier – has local content equal to more than 50% ☐
 - Class-II local supplier – has local content more than 20% but less than 50% ☐
 - Non –local supplier – has local content less than or equal to 20% ☐
2. We are solely responsible for the above-mentioned declaration in respect of category of supplier. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules 2017 for which we may can be debarred for up to 2 years as per Rule 151(iii) of the General Financial Rules 2017 along with such other actions as may be permissible under law.
3. Detail of the location(s) at which the local value addition is made: _____

(Signature of the Authorized Person with
Organization Seal)

Note: In case of procurement value more than ₹10 crores, this certificate is to be issued by Statutory Auditor/Cost Auditor/ practicing Cost Accountant / practicing Chartered Accountant as applicable as per the aforesaid order).

The bidders offering the imported product will fall under the category of non-local suppliers. They can't claim themselves as class-I local suppliers/Class-II local suppliers by claiming the service such as transportation, insurance, Installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition.

ANNEXURE – V

DECLARATION – NON-COMMITTAL EOI, INTEGRITY & CONFLICT OF INTEREST

I/ We* _____ (name and designation of the bidder) on behalf of _____ (name of the organization/company) have downloaded / obtained the tender document(s) for the above mentioned 'Tender from the website(s) namely <https://eprocure.gov.in/eprocure/app>.

I/We further declare that I/We have carefully read and understood all the terms, conditions, specifications, instructions, and provisions contained in the tender document(s) and agree to abide by the same in their entirety.

- 1) the information submitted in response to this EOI is true, complete and correct to the best of our knowledge;
- 2) we understand that this EOI is non-committal and does not constitute a tender, purchase order, contract, empanelment or assurance of future procurement;
- 3) we have disclosed all material deviations, limitations and assumptions;
- 4) we shall comply with provision of GTE/ATE and the Code of Integrity for Public Procurement at the subsequent procurement stage;
- 5) we are not currently debarred/blacklisted by any competent Government authority, except as disclosed below;
- 6) there is no conflict of interest affecting our participation, except as disclosed below (please mentioned if applicable);
- 7) we shall not attempt to influence the Institute's procurement process improperly.

Details of any debarment/blacklisting: _____

Details of any conflict of interest: _____

Authorized Signatory: _____

Name: _____

Contact Number: _____

Designation: _____

Date: _____

Seal: _____